AMENDMENTS TO THE SPECIFICATION

Please DELETE the heading on page 1, at line 1.

Please insert the following section heading on page 1 at line 5:

-- BACKGROUND OF THE INVENTION --

Please replace the section heading on page 1, at line 6, with the following section heading:

~~Technical field:~~ -- Field of the Invention

Please replace the section heading on page 1, at line 15, with the following section heading:

~~Prior Art:~~ -- Description of Related Art --

Please replace the section heading on page 2, at line 10, with the following replacement section heading:

~~Detailed description~~ -- Summary of the invention --

Please DELETE line 21 on page 3.

Please DELETE line 14 on page 5.

Please DELETE line 34 on page 5.

Please DELETE line 37 on page 6.

Please DELETE line 8 on page 7.

Please DELETE line 15 on page 7.

Please DELETE line 1 on page 8.

Please replace the following paragraph on page 8, beginning at line 2 with the following replacement paragraph:

-- ~~Failure~~When failure of only part of the system occurs, the~~. The~~ remaining modules (11) take over responsibility for some of the refrigeration power which is missing in the event of a module failing via frequency conversion (10). --

Please DELETE line 25 on page 8.

Please DELETE line 4 on page 9.

Please DELETE line 21 on page 9.

Please DELETE lines 6-10 on page 10.

Please replace the section heading on page 10, at line 12 with the following replacement section heading:

~~List of drawings:~~ -- Brief Description of the Drawings --

Please replace the paragraph on page 10, beginning at line 21, with the following replacement paragraph:

-- Fig. 5: ~~New development of a~~ A combined-cycle plate-type heat exchanged (3/4/5/6/7/8) as two-stage evaporator (4/5) with integrated liquid supercooling (5) and suction steam superheating (5), liquefier/condenser (7), liquefier/condenser (8), liquefier/recooler (3) and supercooler first stage (6) and with external or integral injection valve (2).

Please replace the paragraph on page 10, beginning at line 31, and continuing over onto page 11, with the following replacement paragraph:

-- Fig. 6: ~~New development of a~~ A combined-cycle plate-type heat exchanger (3/4/5/6/7/8) as two-stage evaporator (4/5) with integrated liquid supercooling (5) and suction steam superheating (5), liquefier/condenser (7), liquefier/condenser (8), liquefier/recooler (3) and supercooler first stage (6) and with internal injection valve (2) of different design.

Please replace the paragraph on page 11, beginning at line 3, with the following replacement paragraph:

-- Fig. 7: ~~New development of a~~ A combined-cycle plate-type heat exchanger (3/4/5/6/7/8) as two-stage evaporator (4/5) with integrated liquid supercooling (5) and suction steam superheating (5), liquefier/condenser (7), liquefier/condenser (8), liquefier/recooler (3) and supercooler first stage (6) and with internal injection valve (2) of different design. --

Please replace the paragraph on page 11, beginning at line 13, with the following replacement paragraph:

-- Fig. 8: ~~New development of a~~ A two-stage plate-type evaporator (4/5) with integrated liquid supercooling (5) and suction steam superheating (5), with external or internal injection valve (2). --

Please replace the paragraph on page 11, beginning at line 18, with the following replacement paragraph:

-- Fig. 9: ~~New development of a~~ A two-stage plate-type evaporator (4/5) with integrated liquid supercooling (5) and suction steam superheating (5) with external or internal injection valve (2) of different design. --

Please DELETE lines 26-29 on page 11 in their entirety.

Please replace the section heading on page 11, at line 31 with the following replacement section heading:

-- ~~Realization of the invention:~~ -- Detailed Description of the Invention --

Please INSERT the following paragraphs on page 13, at line 12:

-- A liquid fraction on the evaporator side in the second stage (5/32) directly influences the level of supercooling in the second stage (5/23) of the refrigerant liquid. The process is designed in such a way that the power maximum is always to the benefit of the evaporation stage 1 (4/25), i.e. of the medium that is to be cooled (cf. diagram in Fig. 10).

There is provision for operation with storage of the supercooling energy (Fig. 4; 12), in which only the internal supercooler stage (stage two) (5/23/24) is used and operation for peak load, in which the stored supercooler energy (12/27) can be deployed for liquid supercooling stage one (6/27) (liquid supercooling stage two (5/23/24) remains in operation) and therefore alone or together with the frequency conversion (Fig. 4; 10) to cover a peak load. --